

## **Abiotic factors controlling the cyanobacterial bloom occurrence in the Gulf of Finland**

Lips, Inga 2005 <http://dspace.ut.ee/handle/10062/940>

## **Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context**

**Usmani, Zeba**; Sharma, Minaxi; **Karpichev, Yevgen** Renewable and sustainable energy reviews 2020 / art. 109965, 16 p. : ill <https://doi.org/10.1016/j.rser.2020.109965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Advances in nanomaterials induced biohydrogen production using waste biomass**

Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; Kausar, Mohd Adnan; Saeed, Mohd; **Gupta, Vijai Kumar**; Singh, Rajeev; Ramteke, Pramod Wasudeo Bioresource Technology 2020 / art. 123094 <https://doi.org/10.1016/j.biortech.2020.123094> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Ameliorating effect of nitrate on nitrite inhibition for denitrifying P-accumulating organisms**

Zekker, Ivar; Mandel, Anni; Rikmann, Ergo; **Jaagura, Madis**; Salmar, Siim; Ghangrekar, Makarand Madhao; Tenno, Taavo Science of the total environment 2021 / art. 149133, 10 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.149133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Anammox enrichment from reject water on blank biofilm carriers and carriers containing nitrifying biomass : operation of two moving bed biofilm reactors (MBBR)**

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; Lemmiksoo, Vallo; **Menert, Anne**; **Loorits, Liis**; Vabamäe, Priit; Tomingas, Martin; Tenno, Taavo Biodegradation 2012 / p. 547-560 : ill [https://www.researchgate.net/publication/221811952\\_Anammox\\_enrichment\\_from\\_reject\\_water\\_on\\_blank\\_biofilm\\_carriers\\_and\\_carriers\\_containing\\_nitrifying\\_biomass\\_Operation\\_of\\_two\\_moving\\_bed\\_biofilm\\_reactors\\_MBBR](https://www.researchgate.net/publication/221811952_Anammox_enrichment_from_reject_water_on_blank_biofilm_carriers_and_carriers_containing_nitrifying_biomass_Operation_of_two_moving_bed_biofilm_reactors_MBBR)

## **ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency**

Zekker, Ivar; Bhowmick, Gourav Dhar; Priks, Hans; Nath, Dibyojyoty; Rikmann, Ergo; **Jaagura, Madis** Biodegradation 2020 / p. 249 - 264 <https://doi.org/10.1007/s10532-020-09907-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Anthropogenic impact on a seacoast landscape during the last 1300 years in central Latvia, Northeastern Europe**

**Stivrīnš, Normunds**; Doniņa, Inga; Auns, Muntis; **Blaus, Ansis**; **Liiv, Merlin**; Steinberga, Dace; Jasiunas, Nauris; Grudzinska, Ieva Geoarchaeology 2023 / 16 p <https://doi.org/10.1002/gea.21961>

## **Antti Roose: väärdamise vastuolud uues energeetikas [Võrguväljaanne]**

Roose, Antti postimees.ee 2021 ["Antti Roose: väärdamise vastuolud uues energeetikas"](#)

## **Ash fusion characteristics of the blends of reed and wood ashes [Electronic resource]**

**Link, Siim**; **Kask, Ülo**; **Lausmaa, Toomas**; **Paist, Aadu**; **Kask, Livia**; Arvelakis, Stelios Proceedings of the 20th European Biomass Conference and Exhibition 2012 / p. 1316-1319 [DVD] [https://www.researchgate.net/publication/318987145\\_Ash\\_Fusion\\_Characteristics\\_of\\_the\\_Blends\\_of\\_Reed\\_and\\_Wood\\_Ashes](https://www.researchgate.net/publication/318987145_Ash_Fusion_Characteristics_of_the_Blends_of_Reed_and_Wood_Ashes)

## **Ash melting behaviour of reed and woody fuels blends**

**Link, Siim**; Yrjäs, Patrik; Lindberg, Daniel; **Trikkel, Andres**; **Mikli, Valdek** Fuel 2022 / art. 123051 <https://doi.org/10.1016/j.fuel.2021.123051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Ash melting behaviour of wheat straw blends with wood and reed**

**Link, Siim**; Yrjäs, Patrik; Hupa, Leena Renewable Energy 2018 / p. 11-20 : ill <https://doi.org/10.1016/j.renene.2017.09.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Atmospheric fluidized bed gasification of untreated and leached olive residue, and co-gasification of olive residue, reed, pine pellets and Douglas fir wood chips**

**Link, Siim**; Arvelakis, Stelios; **Paist, Aadu**; Martin, Andrew; Liliedahl, Truls; Sjöström, Krister Applied energy 2012 / p. 89-97 : ill

## **Balmore open source energy system model**

Wiese, Frauke; Bramstoft, Rasmus; **Koduvere, Hardi**; Pizarro Alonso, Amalia Energy strategy reviews 2018 / p. 26-34 : ill <https://doi.org/10.1016/j.esr.2018.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Bioenergy yields from sequential bioethanol and biomethane production: An optimized process flow**

Rocha-Meneses, Lisandra; **Otor, Oghenetejiri Frances**; **Bonturi, Nemailla**; Orupöld, Kaja; Kikas, Timo Sustainability 2020 / art. 272 <https://doi.org/10.3390/su12010272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Biomass - biokütus - bioenergia - puitkütus**

Muiste, Peeter; **Kask, Ülo** Taastuvate energiaallikate uurimine ja kasutamine : esimese konverentsi kogumik : [4. november 1999, Tartu] = Investigation and Usage of Renewable Energy Sources : first conference proceedings : [4 November 1999, Tartu] 2000 / lk. 60-65

### **Biomass derived fibers as a substitute to synthetic fibers in polymer composites**

**Qasim, Umair;** Ali, Muzaffar; Ali, Touqeer; Iqbal, Rameez; Jamil, Farrukh ChemBioEng Reviews 2020 / p. 193–215  
<https://doi.org/10.1002/cben.202000002>

### **Biomass kogub ja annab energiat : [selgitab Ülo Kask]**

**Kask, Ülo;** Raudla, Heiki Maamajandus 2004 / 5, lk. 20-21

### **Biomass-derived graphene-like catalyst material for oxygen reduction reaction**

**Kaare, Kätlin;** Yu, Eric; Käämbre, Tanel; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsh, Aivars; Niaura, Gediminas; Tamasauskaitė-Tamasiunaite, Loreta; Norkus, Eugenijus; Kruusenberg, Ivar ChemNanoMat 2021 <https://doi.org/10.1002/cnma.202000615>

### **Biomassi baasil koostootmine - probleemid ja võimalused**

**Soosaar, Sulev; Vares, Villu** Taastuvate energiaallikate uurimine ja kasutamine : neljanda konverentsi kogumik = Investigation and usage of renewable energy sources : fourth conference proceedings : Tartu, Estonia, 2003 2003 / lk. 9-16

### **Biomassi energeetika. Biokütuste kasutamise mõjust**

Eesti Turvas 1999 / lk. 20-21

### **Biomassi energeetilise kasutamise võimalused Eestis**

**Paist, Aadu; Poobus, Arvi; Reiska, Rein** 1992 [https://www.eester.ee/record=b1619299\\*est](https://www.eester.ee/record=b1619299*est)

### **Biomassi gaasistamine ja elektri tootmine generaatorigaasiga**

**Link, Siim** Keskkonnatehnika 2006 / 6, lk. 17-21 : ill

### **Biomassi gaasistamine ja saadava gaasi kasutamine**

**Link, Siim; Kask, Ülo** Ehituskaar 2004 / 2, lk. 16-18 : ill

### **Biomassi ja põlevkivide ekstraktsioon superkriitilise veaga**

**Palu, Vilja; Kruusement, Kristjan; Veski, Rein** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 77

### **Biomassi kasutamisel põhinevad elektri ja soojuste koostootmise tehnoloogiad ja seadmed**

**Kask, Ülo** Elektriala 2016 / lk. 18-20 : fot

### **Biomassi pürolüüsitõrvade (õlide) lenduvus**

**Oja, Vahur;** Hajaligol, Mohammad R. XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 96

### **Biopower fluidizer for autonomous providing energy for agricultural enterprise**

**Lypnyskyy, Volodymyr** 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 95-99 : ill

### **Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact**

**Usmani, Zeba;** Sharma, Minaxi; Awasthi, Abhishek Kumar; Sivakumar, Nallusamy; **Lukk, Tiit** Bioresource technology 2021 / art. 124548, 12 p. : ill <https://doi.org/10.1016/j.biortech.2020.124548> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bioprospecting microalgae from natural algal bloom for sustainable biomass and biodiesel production**

**Pandey, Manish K.;** Dasgupta, Chitralekha Nag; Mishra, Shashank; Srivastava, Manish; **Gupta, Vijai Kumar;** Suseela, M.R.; Ramteke, Pramod Wasudeo Applied Microbiology and Biotechnology 2019 / p. 5447 - 5458 <https://doi.org/10.1007/s00253-019-09856-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Capillary electrophoresis versus HPLC analysis method used for analyzing sugars and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass**

**Hyvärinen, S.;** Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel** Book of abstracts : COST Action CM0903: Utilization of Biomass for Sustainable Fuels and Chemicals (UBIOCHEM) : Thessaloniki, Greece, 1-3 Nov 2012 2012 / p. 16

### **Capillary electrophoretic monitoring of hydrothermal pre-treatment and enzymatic hydrolysis of willow : comparison with HPLC and NMR**

**Vaher, Merike; Helmja, Kati;** Käsper, Andres; Kurašin, Mihhail; Väljamäe, Priit; **Kudrjašova, Marina; Koel, Mihkel; Kaljurand, Mihkel** Catalysis today 2012 / p. 34-41 : ill

### **Carbon materials obtained from self-binding sugar cane bagasse and deciduous wood residues plastics**

**Zandersons, J.;** Gravitis, J.; Zhurinsh, A.; Kokorevics, A.; **Kallavus, Urve;** Suzuki, C.K. Biomass and bioenergy 2004 / 4, p. 345-360 :

ill [https://www.fem.unicamp.br/~liqcqits/publications/paper\\_files/BiomBioe2004v26-4p345-360\\_Zandersons.pdf](https://www.fem.unicamp.br/~liqcqits/publications/paper_files/BiomBioe2004v26-4p345-360_Zandersons.pdf)

### **Case study comparison of bubbling fluidised fed and grate-fired biomass combined heat and power plants**

Rummel, Leo; Paist, Aadu Chemical engineering transactions 2016 / p. 1147-1152 : ill <http://dx.doi.org/10.3303/CET1652192>

### **Catalytic conversion of recalcitrant glycopolymers : investigation of saccharification and isomerisation in ionic liquids = Tõrksate glükopolümeeride katalüütiline konversioon : sahharifikatsiooni ja isomerisatsiooni uurimine ioonsetes vedelikes**

Kontson, Tiina 2021 [https://www.estoniansciencerecord.ee/record=b5473795\\*est](https://www.estoniansciencerecord.ee/record=b5473795*est) <https://digikogu.taltech.ee/et/Item/afdb8f5d-41a6-4bfb-9a66-05653b60c076>  
<https://doi.org/10.23658/taltech.63/2021>

### **Catalytic effect of oil shale ash on CO<sub>2</sub> gasification of leached wheat straw and reed chars**

Link, Siim; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; Rosin, Argo Energy 2018 / p. 906-913

<https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Challenges and strategies for bio-based and biodegradable plastic waste management in Europe**

Stasiškienė, Žaneta; Barbir, Jelena; Draudvilienė, Lina; Chong, Zhi Kai; Kuchta, Kerstin; Voronova, Viktoria; Leal Filho, Walter

Sustainability (Switzerland) 2022 / art. 16476 <https://doi.org/10.3390/su142416476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Characterization of ash melting of reed and wheat straw blend**

Link, Siim; Yrjas, Patrik; Lindberg, Daniel; Trikkel, Andres ACS omega 2022 / p. 2137-2146 : ill

<https://doi.org/10.1021/acsomega.1c05087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Characterization of different wood species as potential feedstocks for gasification**

Sulg, Mari; Konist, Alar; Järvik, Oliver Agronomy research 2021 / p. 276-299 <https://doi.org/10.15159/AR.21.005> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Characterization of organosolv lignins and their application in the preparation of aerogels**

Jõul, Piia; Ho, Tran T.; Kallavus, Urve; Konist, Alar; Leiman, Kristiina; Salm, Olivia-Stella; Kulp, Maria; Koel, Mihkel; Lukk, Tiit

Materials 2022 / art. 2861 <https://doi.org/10.3390/ma15082861> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions**

Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit;

Karpichev, Yevgen ChemSusChem 2024 / art. e202301588 <https://doi.org/10.1002/cssc.202301588>

### **Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions : preprint**

Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit;

Karpichev, Yevgen ChemRxiv 2023 / 20 p <https://doi.org/10.26434/chemrxiv-2023-w98xc>

### **Co-conversion of Salix biomass and oil shale in the medium of supercritical water**

Luik, Hans; Palu, Vilja; Tamvelius, Hindrek; Luik, Lea; Sokolova, Julia 16th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Valencia, Spain, 2-6 June 2008 2008 / p. 2007-2009

### **Co-gasification of biomass and oil shale under CO<sub>2</sub> atmosphere : comparative analysis of fixed-bed reactor, gas chromatography and thermogravimetric analysis coupled with mass spectroscopy (TGA-MS)**

Sinisalu, Mari; Järvik, Oliver; Mets, Birgit; Konist, Alar Bioresource technology 2024 / art. 130086

<https://doi.org/10.1016/j.biortech.2023.130086>

### **Co-hydrothermal liquefaction of lignocellulosic biomass with kukersite oil shale**

Akalin, Ece; Kim, Young-Min; Alper, Koray; Oja, Vahur Energy & fuels 2019 / p. 7424-7435 : ill

<https://doi.org/10.1021/acs.energyfuels.9b01473> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A combined analysis of the drying and decomposition kinetics of wood pyrolysis using non-isothermal thermogravimetric methods**

Ochieng, Richard; Ceron, Alejandro Lyons; Konist, Alar; Sarker, Shiplu Energy conversion and management 2023 / art. 100424

<https://doi.org/10.1016/j.ecmx.2023.100424>

### **Comparative thermochemical conversion processing of biomass and fossil fuel [Electronic resource]**

Luik, Hans; Luik, Lea; Veski, Rein 14th European Biomass Conference : proceedings 2006 / p. 727-730 [CD-ROM]

### **Conversion of willow biomass at varied thermochemical conditions [Electronic resource]**

Luik, Hans; Luik, Lea; Tamvelius, Hindrek 14th European Biomass Conference : proceedings 2006 / p. 940-942 [CD-ROM]

### **Co-processing of biomass and heavy shale oil using catalytical hydrocracking method**

**Luik, Hans; Luik, Lea; Johannes, Ille; Tiikma, Laine; Sokolova, Julia** 17th European Biomass Conference & Exhibition from Research to Industry and Markets : proceedings of the International Conference held in Hamburg, Germany, 29 June - 3 July 2009 2009 / p. 1082-1084

### **Co-pyrolysis of woody biomass and oil shale — a kinetics and modelling study**

**Lyons Ceron, Alejandro; Ochieng, Richard; Sarker, Shiplu; Järvik, Oliver; Konist, Alar** Energies 2024 / art. 1055  
<https://doi.org/10.3390/en17051055>

### **Co-Pyrolysis of Woody Biomass and Oil Shale in a Batch Reactor in CO<sub>2</sub>, CO<sub>2</sub>-H<sub>2</sub>O, and Ar Atmospheres**

**Lyons Cerón, Alejandro; Konist, Alar** Energies 2023 / art. 3145 <https://doi.org/10.3390/en16073145>

### **Cultivation of Algae Polyculture in Municipal Wastewater with CO<sub>2</sub> Supply**

**Podkuiko, Lara; Kasemets, Mari-Liis; Kikas, Timo; Lips, Inga** Environmental and Climate Technologies 2020 / p. 188-200  
<https://doi.org/10.2478/rtuect-2020-0096>

### **Current status of co-pyrolysis of oil shale and biomass**

**Ceron, Alejandro Lyons; Konist, Alar; Lees, Heidi; Järvik, Oliver** Oil shale 2021 / p. 228-263 : tab  
<https://doi.org/10.3176/oil.2021.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dark fermentation of biomass and organic waste for production of renewables**

**Vaalu, Tarmo; Michelis, Merje; Mets, Aita; Lepane, Viia; Kaljurand, Mihkel; Suurväli, Jaanus; Menert, Anne** 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 43

### **Decarbonization strategies of Helsinki metropolitan area district heat companies**

**Su, Yijie; Hiltunen, Pauli; Syri, Sanna; Khatiwada, Dilip** Renewable and Sustainable Energy Reviews 2022 / Art. 112274  
<https://doi.org/10.1016/j.rser.2022.112274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Defining of eligible capacity for biomass cogeneration plants in small towns in Estonia**

**Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres** Proceedings of International Conference on Renewable Energies and Power Quality (ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010 2010 / [5] p.: ill. [CD-ROM]  
<https://www.icrepq.com/icrepq'10/447-Volkova.pdf>

### **Defining the extent of coastal zone for ecosystem-based management**

**Lessin, Gennadi; Raudsepp, Urmas** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 84

### **Development trends in Estonian biomass fuel market**

**Kask, Ülo; Muiste, Peeter; Paist, Aadu** Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2004 / p. 44-49 : ill

### **Divesiniksulfiidi kõrvaldamiseks kasutatavate mikrovetikate tootmise tehnoloogia**

**Liiders, M.; Tiisma, K.; Aruoja, V.; Meriste, T.** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 64-65

### **Effect of leaching pretreatment on the gasification of wine and vine (residue) biomass**

**Link, Siim; Arvelakis, Stelios; Paist, Aadu; Liliedahl, Truls; Rosen, Christer** Renewable energy 2018 / p. 1-5 : tab  
<https://doi.org/10.1016/j.renene.2017.08.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of leaching pretreatment on the gasification of wine and vine (residue) biomass**

**Link, Siim; Arvelakis, Stelios; Paist, Aadu; Liliedahl, Truls; Rosen, Christer** Venice 2016 - Sixth International Symposium on Energy from Biomass and Waste : proceedings 2016 / p. D1-489

### **The effect of rice husk biochar on soil nutrient status, microbial biomass and paddy productivity of nutrient poor agriculture soils**

**Singh, Chhatarpal; Tiwari, Shashank; Gupta, Vijai Kumar; Singh, Jay Shankar** Catena 2018 / p. 485 - 493  
<https://doi.org/10.1016/j.catena.2018.07.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of woody biomass gasification process conditions on the composition of the producer gas**

**Lyons Cerón, Alejandro; Konist, Alar; Lees, Heidi; Järvik, Oliver** Sustainability 2021 / art. 11763, 17 p. : ill  
<https://doi.org/10.3390/su132111763> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Efficient lignin fractionation from Scots pine (Pinus sylvestris) using ammonium-based protic ionic liquid : process optimization and characterization of recovered lignin**



Khan, Sharib; Rauber, Daniel; Shanmugam, Sabarathinam; Kay, Christopher W. M.; **Konist, Alar**; Kikas, Timo Polymers 2022 / art. 4637, 13 p. : ill <https://doi.org/10.3390/polym14214637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The electrochemical reduction of oxygen on noble metal free and biomass-based carbon nanomaterials = Hapniku elektrokeemiline redutseerumine väärismetalli-vabadel ja biomassil põhinevatel süsiniku nanomaterjalidel**

**Kaare, Kätlin** 2022 <https://doi.org/10.23658/taltech.48/2022> <https://digikogu.taltech.ee/et/Item/0e17c0ff-8910-49a1-a7f3-8525b28b4b77> [https://www.ester.ee/record=b5511685\\*est](https://www.ester.ee/record=b5511685*est)

**Energeetika otsapidi biomassi küljes**

**Kask, Ülo** Horisont 2012 / lk. 48-51 : ill

**Energia tootmine ja kasutamine põllumajanduses : [posterettekanne konverentsil]**

**Hamburg, Arvi** Kuhu lähed Eesti Põllumajandus 2014-2020? : konverents, Tallinn, 29. novembril 2013. a 2013 / 6 lk. : ill

**Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – a review**

Singh Siwal, Samarjeet; Zhang, Qibo; Sun, Changbin; Thakur, Sourbh; **Gupta, Vijai Kumar**; Kumar Thakur, Vijay Bioresource Technology 2020 / Art. nr. 122481 <https://doi.org/10.1016/j.biortech.2019.122481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Engineered microbes for pigment production using waste biomass**

**Usmani, Zeba**; Sharma, Minaxi; Sudheer, Surya; Gupta, Vijai Kumar; Bhat, Rajeev Current genomics 2020 / p. 80-95

<https://doi.org/10.2174/1389202921999200330152007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Enhancement of anoxic phosphorus uptake of denitrifying phosphorus removal process by biomass adaption**

Mandel, Anni; Zekker, Ivar; **Jaagura, Madis**; Tenno, Taavo International journal of environmental science and technology 2019 / p. 5965–5978 : ill <https://doi.org/10.1007/s13762-018-02194-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Estonian wetlands biomass resources for energy production**

**Kask, Ülo**; Pärnamäe, E.; Habicht, M. Bio-energy Enlarged Perspectives : Budapest, 16-17 October 2003 : sixth framework programme : book of abstract 2003 / [2] p. : ill

**Estonian wetlands biomass resources for energy production**

**Kask, Ülo**; **Kask, Livia**; Habicht, M. REPROMO Bioenergy Market Place : 13 May 2004, Rome, Italy : poster presentation 2004 / p. ?

**Evaluating the impact of toxicities in hemicellulosic hydrolysates during biotechnological valorisation processes**

**Lipova, Inna**; Axelrud Nunes, Andreia; Bonturi, Nemailla; **Lahtvee, Petri-Jaan** Conference materials "Youth and modern problems of microbiology and virology" : IV young scientists conference, Kyiv, Ukraine, 15-17 November 2022 : Abstracts book 2022 / p. 15 [https://imv.org.ua/wp-content/uploads/2022/12/Conference-materials\\_2022.pdf](https://imv.org.ua/wp-content/uploads/2022/12/Conference-materials_2022.pdf)

**Evaluation of oil potential of Estonian shales and biomass samples using rock-eval analyzer**

**Johannes, Ille**; **Kruusement, Kristjan**; **Palu, Vilja**; **Veski, Rein**; Bojesen-Koefoed, Jorgen Oil shale 2006 / 2, p. 110-118 : ill

**Experimental and modeling studies of intermediate pyrolysis of wood in a laboratory-scale continuous feed retort reactor**

Ochieng, Richard; **Ceron, Alejandro Lyons**; **Konist, Alar**; Sarker, Shilpu Bioresource technology reports 2023 / art. 101650 <https://doi.org/10.1016/j.biteb.2023.101650>

**Extraction and quantification of hybrid carrageenans from the biomass of the red algae Furcellaria lumbricalis and Coccotylus truncatus**

Tuvikene, Rando; Truus, Kalle; **Vaher, Merike**; **Kailas, Tiiu**; Martin, Georg; Kersen, Priit Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 1, p. 40-53 : ill

**Factors affecting the improvement of district heating. Case studies of Estonia and Serbia**

**Rušeljuk, Pavel**; **Volkova, Anna**; Lukic, Nebojša; **Lepiksaar, Kertu**; Nikolic, Novak; Nešovic, Aleksandar; **Siirde, Andres**

Environmental and Climate Technologies 2021 / p. 521–533 <https://doi.org/10.2478/ruect-2020-0121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Feasibility of thermal energy storage integration into biomass CHP-based district heating system**

**Volkova, Anna**; **Latõšov, Eduard**; **Andrijaškin, Maksim**; **Siirde, Andres** Chemical engineering transactions 2018 / p. 499-504 : ill <https://doi.org/10.3303/CET1870084> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe**

Feurdean, Angelica; Vanniere, Boris; Finsinger, Walter; **Poska, Anneli**; **Vassiljev, Jüri**; **Veski, Siim** Biogeosciences 2020 / p. 1213–1230 <https://doi.org/10.5194/bg-17-1213-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Gasification and liquefaction of solid fuels by hydrothermal conversion methods**

**Kruusement, Kristjan; Luik, Hans;** Waldner, Maurice; Vogel, Frederic; **Luik, Lea** Journal of analytical and applied pyrolysis 2014 / p. 265-273 : ill

**Heteroatom-doped nanocarbons derived from black liquor as the oxygen reduction reaction catalysts**

Kaare, Kätlin; Kruusenberg, Ivar; Volperts, Aleksandrs; Zhurinsh, Aivars; Dobeles, Galina; **Walke, Peter; Mikli, Valdek** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 53 [https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT\\_abstractbook\\_2021.pdf](https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf)

**Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction**

**Kaare, Kätlin;** Yu, Eric; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsh, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasiunaite-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati;** Kruusenberg, Ivar ACS omega 2020 / p. 23578-23587 : ill <https://doi.org/10.1021/acsomega.0c01974> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Household solid waste combustion with wood increases particulate trace metal and lung deposited surface area emissions**

Timonen, Hilkka; Mylläri, Fanni; Simonen, Pauli; Aurela, Minna; Maasikmets, Marek; Bloss, Matthew; **Kupri, Hanna-Li;** Vainumäe, Keio; Lepistö, T.; Salo, Laura Journal of environmental management 2021 / art. 112793, 10 p. : ill <https://doi.org/10.1016/j.jenvman.2021.112793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hübrüidsed karraginaanid punavetikate *Furcellaria lumbricalis* ja *Coccotylus truncatus* koosluse biomassist**

Tuvikene, Rando; Truus, Kalle; **Vaher, Merike;** Kersen, Priit XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 123-124

**Improvement of biomass production by *Lactobacillus reuteri* using double-carbon source cultivation strategy**

Selvamani, Shanmugaprakasham; Malek, Roslinda Abd; Ramli, Solleh; Dailin, Daniel Joe; **Gupta, Vijai Kumar;** Sukmawati, Dalia; El-Adawi, Hala I.; Leng, Ong Mei; El Enshasy, Hesham Ali The 2nd Science and Mathematics International Conference (SMIC 2020) : Transforming Research and Education of Science and Mathematics in the Digital Age 2021 / art. 168153 <https://doi.org/10.1063/5.0041975> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Induction of resistance mechanisms in *Rhodotorula toruloides* for growth in sugarcane hydrolysate with high inhibitor content**

Santos Lopes, Helberth Júnior; **Bonturi, Nemailla;** Miranda, Everson Alves Applied Microbial and Cell Physiology 2021 / p. 9261-9272 <https://doi.org/10.1007/s00253-021-11687-z>

**Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion**

**Usmani, Zeba;** Sharma, Minaxi; Gupta, Pratishtha; **Karpichev, Yevgen;** Gathergood, Nicholas; Bhat, Rajeev; **Gupta, Vijai Kumar** Bioresource technology 2020 / art. 123003, 13 p <https://doi.org/10.1016/j.biortech.2020.123003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Isolation of cellulose from wheat straw using Alkaline Hydrogen Peroxide and Acidified Sodium Chlorite treatments: comparison of yield and properties**

**Qasim, Umair;** Ali, Zulfiqar; Nazir, Muhammad Shahid Advances in polymer technology 2020 / art. 9765950, 7 p. : ill <https://doi.org/10.1155/2020/9765950>

**Kas kanep aitas päästa rohepöörde ja kuidas on sellega seotud TalTech?**

geenius.ee 2023 [Kas kanep aitas päästa rohepöörde ja kuidas on sellega seotud TalTech?](#)

**Kassari lahe punavetika (*Furcellaria lumbricalis*) biomassi töötlusjäätide uudsed rakendused : Keskkonnainvesteeringute Keskuse projekt nr. 11247 [Võrguväljanne]**

**Kallavus, Urve** 2018 [https://www.kik.ee/sites/default/files/uuringud/projekti\\_11247\\_lopparuanne.pdf](https://www.kik.ee/sites/default/files/uuringud/projekti_11247_lopparuanne.pdf)

**Kastanieskraktist saab rohelise toidupakendi**

Imeline Teadus 2021 / lk. 19 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est) <https://digikogu.taltech.ee/et/Item/88d05471-4a1d-42b5-b822-cd7c38a1eb39>

**Kohalik kütus - biomass**

**Paist, Aadu; Kask, Ülo** Elektriala 2010 / 5, lk. 7-9 : ill

**Land use change : a key ecological disturbance declines soil microbial biomass in dry tropical uplands**

Tiwari, Shashank; Singh, Chhatrapal; Boudh, Siddharth; Rai, Pradeep Kumar; **Gupta, Vijai Kumar;** Singh, Jay Shankar Journal of environmental management 2019 / 10 p. : ill <https://doi.org/10.1016/j.jenvman.2019.04.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lignocellulosic biomass (LCB) : a potential alternative biorefinery feedstock for polyhydroxyalkanoates production**

Al-Battashi, Huda Sultan; Annamalai, Neelamegam; Sivakumar, Nallusamy; **Gupta, Vijai Kumar** Reviews in Environmental Science and Biotechnology 2019 / p. 183–205 : ill <https://doi.org/10.1007/s11157-018-09488-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lignocellulosic biorefineries : the current state of challenges and strategies for efficient commercialization**

**Usmani, Zeba**; Sharma, Minaxi; Awasthi, Abhishek Kumar; **Lukk, Tiit**; Tuohy, Maria G.; Gong, Liang; Nguyen-Tri, Phuong; Goddard, Alan D.; Bill, Roslyn M.; Nayak, S. Chandra; Gupta, Vijai Kumar Renewable and sustainable energy reviews 2021 / art. 111258, 14 p. : ill <https://doi.org/10.1016/j.rser.2021.111258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lignotselluloosse biomassi eeltöötusioonsete vedelikega**

**Aid, Tiina**; Koel, Mihkel; **Vaher, Merike** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 11

**Lisandväärtuse tõstmine ja toorme tõhusam kasutamine Eesti biomajanduses ja selle sektorites**

**Karo, Erkki** TeadusEST 2021 : teaduse roll riigi juhtimisel 2021 / lk. 13 : ill [https://www.ester.ee/record=b5482277\\*est](https://www.ester.ee/record=b5482277*est)

**Low grade fuel - oil shale and biomass co-combustion in CFB boiler**

**Konist, Alar**; Pihu, Tõnu; **Nešumajev, Dmitri**; Külaots, Indrek Oil shale 2013 / p. 294-304 : ill [https://artiklid.elnet.ee/record=b2631751\\*est](https://artiklid.elnet.ee/record=b2631751*est)

**Maaailma energia ülevaade**

**Tanning, Lembo** 2010 [https://www.ester.ee/record=b2636232\\*est](https://www.ester.ee/record=b2636232*est)

**Maaailmas suureneb huvi biomassist saadavate kütuste vastu**

**Kask, Ülo** Eesti Turvas 1998 / 3/4, lk. 58

**Main gas emission factors for biomass fired boilers in Estonia**

**Parve, Teet** X Valtakunnalliset päästömittajapäivät, 22.-23.03.2001, Lahti 2001 / [14] s

**Matsalu rahvuspargi rohtsest biomassist toodetakse Lihulas energiat**

**Kask, Ülo**; **Kask, Livia**; Källe, Margus Keskkonnatehnika 2009 / 8, lk. 23-25 : ill

**Melting and sintering of biomass fuel ash**

**Parve, Teet** 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 174-176 : ill

**Mesoscale physical processes and the related impact on the summer nutrient fields and phytoplankton blooms in the western Gulf of Finland**

**Pavelson, Juss** 2005 [https://www.ester.ee/record=b2073510\\*est](https://www.ester.ee/record=b2073510*est)

**Methodology for defining of eligible capacity for wood fuel based cogeneration plants in small towns in Estonia**

**Volkova, Anna**; **Hlebnikov, Aleksandr**; **Siirde, Andres** Journal of energy and power engineering 2011 / p. 481-489 : ill <https://ortus.rtu.lv/science/en/publications/11170>

**Microbial beta glucosidase enzymes : recent advances in biomass conversion for biofuels application**

Srivastava, Neha; Rathour, Rishabh; Jha, Sonam; Pandey, Karan; Srivastava, Manish; Thakur, Vijay Kumar; Sengar, Rakesh Singh; **Gupta, Vijai Kumar**; Mazumder, Pranab Behari; Khan, Ahamad Faiz; Mishra, Pradeep Kumar Biomolecules 2019 / art. 220 <https://doi.org/10.3390/biom9060220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microbial saccharification of wheat bran for bioethanol fermentation**

Farkas, Csilla; Rezessy-Szabó, Judit M.; **Gupta, Vijai Kumar**; Truong, Duy H.; Friedrich, László; Felföldi, József; Nguyen, Quang D. Journal of Cleaner Production 2019 / Article nr. 118269 <https://doi.org/10.1016/j.jclepro.2019.118269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mikrovetikate kasutamine reovee käitlemiseks ja biomassi väärtustamine : BONUS Microalgae projekti tulemuste kokkuvõte**

**lital, Arvo**; Klõga, Marija 2017 [http://www.ester.ee/record=b4773031\\*est](http://www.ester.ee/record=b4773031*est)

**Millised on tulevikukütused ja kust hakkame saada energiat?**

**Niidu, Allan** Äripäev 2021 / Lk. 3 : fot ["Millised on tulevikukütused ja kust hakkame saada energiat?"](https://www.ester.ee/record=b4773031*est)

**Märgalade taimestiku energeetiline potentsiaal Saare maakonnas**

**Kask, Ülo**; Kask, Livia Taastuvate energiaallikate uurimine ja kasutamine : kolmanda konverentsi kogumik : [1. november 2001, Tartu] 2002 / lk. 118-123 : ill

## **Märgalataimede konverents Grefswaldis**

**Kask, Ülo** Eesti põlevloodusvarad ja -jäätmed 2013 / lk. 47 : ill

## **Old dry mold growth seems to emit less bioactive metabolites and surfactants than actively growing microbes**

Andersson, Maria A.; Marik, Tamas; Kredics, Laszlo; Salonen, Heidi; **Kurnitski, Jarek** Sisäilmastoseminaari 2019 : 14.3.2019 2019 / p. 215-220 : ill [https://www.sisailmautiset.fi/Sisailmastoseminaari\\_2019.pdf](https://www.sisailmautiset.fi/Sisailmastoseminaari_2019.pdf)

## **Parallels between slow pyrolysis of Estonian oil shale and forest biomass residues**

**Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia** Journal of analytical and applied pyrolysis 2007 / 1/2, p. 205-209

## **Parallels between slow pyrolysis of Estonian oil shale and forest biomass residues**

**Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia** 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 158

## **Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes**

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 <https://doi.org/10.1016/j.ijhydene.2022.03.199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Petre-Jaan Lahtvee: pikem plaan on väärindada CO2 toiduks**

**Lahtvee, Petri-Jaan** Mente et Manu 2023 / lk. 14-19 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## **Platinum-free oxygen electrocatalysts and alkaline fuel cell cathodes fabricated from peat**

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Härmas, Meelis; Adamson, Anu; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 61 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

## **Potential of biomass fuels to substitute for oil shale in energy balance in Estonian energy sector**

**Paist, Aadu; Kask, Ülo; Kask, Livia; Vrager, Allan**; Muiste, Peeter; Padari, Allar; Pärn, L. Oil shale 2005 / 4S, p. 369-379 : ill

## **Potential of biomass in Narva region regarding oil shale and biomass co-firing**

**Kask, Ülo; Loosaar, Jüri; Parve, Teet; Kask, Livia; Paist, Aadu**; Muiste, Peeter; Padari, Allar; Astover, Alar Oil shale 2011 / 1S, p. 181-192 : ill [https://artiklid.elnet.ee/record=b2286640\\*est](https://artiklid.elnet.ee/record=b2286640*est)

## **Prediction of total product composition from pyrolysis and gasification of lignocellulosic biomass : a model for reactor design and optimization**

Ochieng, Richard; **Ceron, Alejandro Lyons; Konist, Alar**; Sarker, Shiplu European biomass conference and exhibition proceedings 2023 / p. 959-965 <http://www.etaflorence.it/proceedings/>

## **Preliminary investigation of technological, physical and economic parameters of herbaceous biomass briquettes**

Menind, Andres; Oper, Liis; **Kers, Jaan**; Melts, Indrek; Olt, Jüri Lecture notes in information technology 2012 / p. 134-140

## **Pretreatment of plant feedstocks and agrofood waste using ionic liquids**

**Usmani, Zeba**; Sharma, Minaxi; **Karpichev, Yevgen; Gathergood, Nicholas**; Bhat, Rajeev; Gupta, Vijai Kumar Recent developments in bioenergy research 2020 / p. 393-413 <https://doi.org/10.1016/B978-0-12-819597-0.00021-0>

## **Production of microbial lipids from optimized waste office paper hydrolysate, lipid profiling and prediction of biodiesel properties**

Nair, Anu Sadasivan; Al-Bahry, Saif; **Gathergood, Nicholas**; Tripathi, Bhumi Nath; Sivakumar, Nallusamy Renewable Energy 2020 / p. 124 - 134 <https://doi.org/10.1016/j.renene.2019.12.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Puidu- ja rohttaimede koksi reageerimisvõime. Reactivity of woody and herbaceous biomass chars : [Siim Link'i doktoritööst]**

Eesti Põlevloodusvarad ja -jäätmed 2012 / lk. 19 : fot [https://www.ester.ee/record=b2738371\\*est](https://www.ester.ee/record=b2738371*est)

## **Puidust tehtud elektri peidetud väärtus**

**Soomere, Tarmo** Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 212-214 <https://dea.digar.ee/article/postimees/2022/02/05/12.4> [https://www.ester.ee/record=b5521198\\*est](https://www.ester.ee/record=b5521198*est)

## **Puidust tehtud elektri peidetud väärtus**

**Soomere, Tarmo** Postimees 2022 / Lk. 8 <https://dea.digar.ee/article/postimees/2022/02/05/12.4>

## **The Quantitative Measurement of Peptidoglycan Components Obtained from Acidic Hydrolysis in Gram-Positive and Gram-Negative Bacteria via Hydrophilic Interaction Liquid Chromatography Coupled with Mass Spectrometry**

**Pismennõi, Dmitri; Kattel, Anna**; Belouah, Isma; Nahku, Ranno; Vilu, Raivo; Kobrin, Eeva-Gerda Microorganisms 2023 / art. 2134



<https://doi.org/10.3390/microorganisms11092134>

**Quasi steady state growth of *Lactococcus lactis* in glucose-limited acceleration stat (A-stat) cultures**

**Adamberg, Kaarel; Lahtvee, Petri-Jaan; Valgepea, Kaspar; Abner, Kristo; Vilu, Raivo** Antonie van Leeuwenhoek 2009 / 3, p. 219-226 <https://pubmed.ncbi.nlm.nih.gov/19184516/>

**Reactivity of the biomass chars originating from reed, douglas fir, and pine**

Link, Siim; Arvelakis, Stelios; Hupa, Mikko; Yrjas, Patrik; Külaots, Indrek; Paist, Aadu Energy & fuels 2010 / 12, p. 6533-6539 <https://pubs.acs.org/doi/abs/10.1021/ef100926v>

**Reactivity of woody and herbaceous biomass chars = Puit- ja rohtbiomassi kokside reageerimisvõime**

Link, Siim 2011

**Reed as a gasification fuel : a comparison with woody fuels**

Link, Siim; Kask, Ülo; Paist, Aadu; Siirde, Andres; Külaots, Indrek Mires and peat 2013 / p. 1-12 : ill

**Renewable cellulosic nanocomposites for food packaging to avoid fossil fuel plastic pollution: a review**

Qasim, Umair; Osman, Ahmed I.; Al-Muhtaseb, A.; Farrell, C.; Al-Abri, M.; Ali, M.; Vo, D.-V. N.; Jamil, F.; Rooney, D. W. Environmental chemistry letters 2021 / p. 613-641 <https://doi.org/10.1007/s10311-020-01090-x>

**Rohepööre vajab nii mõistust kui südant [Võrguväljaanne]**

postimees.ee 2021 ["Rohepööre vajab nii mõistust kui südant "](#)

**Rohepööre väikeses linnas [Võrguväljaanne]**

Paluoja, Silvia parnu.postimees.ee 2022 ["Rohepööre väikeses linnas "](#)

**Saccharification of lignocellulosic biomasses via ionic liquid pretreatment**

**Aid, Tiina;** Hyvärinen, S.; **Vaher, Merike;** Koel, Mihkel; Mikkola, J.-P. Industrial crops and products 2016 / p. 336-341 : ill <http://dx.doi.org/10.1016/j.indcrop.2016.08.017>

**Screening and growth characterization of non-conventional yeasts in a hemicellulosic hydrolysate**

Monteiro de Oliveira, Paola; Aborneva, Daria; **Bonturi, Nemailla; Lahtvee, Petri-Jaan** Frontiers in bioengineering and biotechnology 2021 / art. 659472 <https://doi.org/10.3389/fbioe.2021.659472>

**Seened liha asemel ehk kuidas vähem tootes võiks 11 miljardit inimest ära toita? [Võrguväljaanne]**

postimees.ee 2022 ["Seened liha asemel ehk kuidas vähem tootes võiks 11 miljardit inimest ära toita?"](#)

**Selective removal of selenium by phytoremediation from post mining coal wastes : practicality and implications**

**Monei, Nthathi Lilian; Veetil, Sanoop Kumar Puthiya; Hitch, Michael William;** Gao, Jeffrey Geophysical research abstracts 2020 / EGU2020-16117, 1 p <https://doi.org/10.5194/egusphere-egu2020-16117>

**Selective removal of selenium by phytoremediation from post/mining coal wastes : practicality and implications**

**Monei, Nthathi Lilian; Veetil, Sanoop Kumar Puthiya;** Gao, Jeffrey, **Hitch, Michael William** International journal of mining, reclamation and environment 2021 / p. 69-77 : ill <https://doi.org/10.1080/17480930.2020.1801118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**SET-LRP of bio- and petroleum-sourced methacrylates in aqueous alcoholic mixtures**

Moreno, Adrian; Bensabeh, Nabil; **Parve, Jaan;** Ronda, Juan C.; Cádiz, Virginia; Galià, Marina; Vares, Lauri; Lligadas, Gerard; Percec, Virgil Biomacromolecules 2019 / p. 1816 - 1827 <https://doi.org/10.1021/acs.biomac.9b00257> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Soil microbial biomass : a key soil driver in management of ecosystem functioning**

Singh, Jay Shankar; **Gupta, Vijay Kumar** Science of the total environment 2018 / p. 497-500 : ill <https://doi.org/10.1016/j.scitotenv.2018.03.373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Source apportionment and modelling study of particulate matter from the key sources in Tartu**

Maasikmets, Marek; Teinemaa, Erik; Keernik, Hannes; **Kupri, Hanna-Lii** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 25 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

**Sugar and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass**

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike;** Kaljurand, Mihkel; Koel, Mihkel UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 42

**Sugars and sugar derivatives in ionic liquids media obtained from lignocellulosic biomass : comparizon of capillary electrophoresis and chromatographic analysis**

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel** Catalysis today 2014 / p. 18-24 : ill

### **Sügislehtede potentsiaal biokütusena**

Kinnunen, Marta TTÜ üliõpilaste teadustööde konkursi kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 5

### **TalTech alustas seminarisarja biomassi väärimisest [Võrguväljaanne]**

metsamajandusuudised.ee 2021 "[TalTech alustas seminarisarja biomassi väärimisest](#)"

### **Tarmo Soomere: puidust tehtud elektri peidetud väärtus [Võrguväljaanne]**

Soomere, Tarmo postimees.ee 2022 "[Tarmo Soomere: puidust tehtud elektri peidetud väärtus](#)"

### **Teadlane vastab, millest kõigest on võimalik kütust toota [Võrguväljaanne]**

Niidu, Allan novaator.err.ee 2021 "[Teadlane vastab, millest kõigest on võimalik kütust toota](#)"

### **Teadlaste argumendid lammutavad puidu põletamist soosivat maksumüüri**

Soomere, Tarmo Postimees 2020 / Lk. 6-7 : fot <https://dea.digar.ee/article/ak/2020/09/05/4.2>

### **Teadlaste argumendid lammutavad puidu põletamist soosivat maksumüüri**

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 266-268 [https://www.ester.ee/record=b5521198\\*est](https://www.ester.ee/record=b5521198*est)  
<https://dea.digar.ee/article/ak/2020/09/05/4.2>

### **Technology for the cultivation of microalgae for the environmental cleaning processes**

Liiders, M.; Tiisma, K.; Aruoja, V.; Meriste, T. BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 25

### **Thermochemical co-liquefaction of biomass wastes and Estonian oil shale [Electronic resource]**

Luik, Lea; Luik, Hans; Bitjukov, Mihhail; Kruusement, Kristjan; Sokolova, Julia; Tamvelius, Hindrek Success & visions for bioenergy. Thermal processing of biomass for bioenergy, biofuels and bioproducts 2007 / [8] p. [CD-ROM]

### **Termokeemiline muundamine**

Kask, Ülo; Vares, Villu Eesti põlevloodusvarad ja -jäätmed 2013 / lk. 22-26 : ill

### **TG-MS analysis and kinetic study of co-combustion of ca-rich oil shale with biomass in air and oxy-like conditions**

Baqain, Mais; Nešumajev, Dmitri; Konist, Alar Carbon capture science & technology 2024 / art. 100162

<https://doi.org/10.1016/j.ccst.2023.100162>

### **The effect of oil shale ash and mixtures of wood ash and oil shale ash on the biomass formation of Silver birch and Scots pine seedlings on a cutaway peatland**

Sepp, Leno; Agurajuja, Karin; Tilka, Mari; Ots, Katri; **Orru, Mall** International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 34

[http://www.ester.ee/record=b4751282\\*est](http://www.ester.ee/record=b4751282*est)

### **The effect of oxygen, ethanol and biomass concentration on growth rate of distillers yeast : the PH-stat study**

Kasemets, Kaja; Laht, Tiit-Maie; Nisamedtinov, Ildar; **Paalme, Toomas** Yeast as a cell factory : EC Framework IV Symposium, The Netherlands, 30. Nov. - 2. Dec. 1998 : abstract book 1998 / p. 162-164

### **The impact of subsidy mechanisms on biomass and oil shale based electricity cost prices**

Latõšov, Eduard; Volkova, Anna; Siirde, Andres Oil shale 2011 / 1S, p. 140-151 : ill

### **The pretreatment of lignocellulosic biomass with ionic liquids**

Aid, Tiina; Hyvärinen, S.; **Koel, Mihkel; Vaher, Merike** UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 43

### **The review of the results of performed EU projects on reed and meadow grasses in Estonia and Finland**

Kask, Ülo; **Link, Siim; Iital, Arvo**; Ikonen, Iiro; Mander, Ülo; Miljan, Jaan RRR2017 : Renewable Resources from Wet and Rewetted Peatlands : September 26th - 28th 2017, Greifswald, Germany : proceedings 2017 / 185 p. : ill

<https://www.moorwissen.de/doc/aktuelles/veranstaltungen/rrr2017/downloads/RRR2017%20-%20proceedings%20-%20web.pdf>

### **The vaporization of semi-volatile compounds during tobacco pyrolysis**

Oja, Vahur; Hajaligol, Mohammad; Waymack, Bruce Journal of analytical and applied pyrolysis 2006 / 1/2, p. 117-123 : ill

<https://www.sciencedirect.com/science/article/pii/S0165237005001646>

### **Thermochemical Co-liquefaction of Estonian kukersite oil shale with peat and pine bark**

Krasulina, Julia; Luik, Hans; Palu, Vilja; Tamvelius, Hindrek Oil shale 2012 / p. 222-236 : ill

[https://artiklid.elnet.ee/record=b2527827\\*est](https://artiklid.elnet.ee/record=b2527827*est)

**Thermochemical co-liquefaction of woody biomass and fossil fuel in supercritical water [Electronic resource]**

**Luik, Lea; Luik, Hans; Vink, Natalia; Kruusement, Kristjan; Veski, Rein** 15th European Biomass Conference & Exhibition : from Research to Market Deployment : Florence, Italy 2007 / p. 1955-1959 [CD-ROM]

**Thermochemical conversion of woody biomass by using slow pyrolysis and direct hydrogenation methods**

**Luik, Hans; Luik, Lea; Gregor, Andre** WasteEng 2014 : 5th International Conference on Engineering for Waste and Biomass Valorisation, Rio de Janeiro, Brazil, August 25-28, 2014 : proceedings 2014 / p. 1532-1541

**Thermochemical conversion of woody biomass by using slow pyrolysis and direct hydrogenation methods**

**Luik, Hans; Luik, Lea; Gregor, Andre** WasteEng 2014 : 5th International Conference on Engineering for Waste and Biomass Valorisation, Rio de Janeiro, Brazil, August 25-28, 2014 : abstracts 2014 / p. 217

**Thermodynamics-based model-driven discovery of metabolic strategies in oleaginous yeast *Rhodotorula toruloides***

**Rekena, Alina;** Smith, Edward N.; Heinemann, Matthias; **Lahtvee, Petri-Jaan** Metabolic Engineering 15 (ME15) : conference proceedings 2023 / Art. 52 <https://aiche.confex.com/aiche/me15/meetingapp.cgi/Paper/659438>

**Thermoelectric applications for energy harvesting in domestic applications and micro-production units. Part I : thermoelectric concepts, domestic boilers and biomass stoves**

**Kütt, Lauri;** Millar, John; Karttunen, Antti; Karpinen, Maarit Renewable and Sustainable Energy Reviews 2018 / p. 519-544  
<https://doi.org/10.1016/j.rser.2017.03.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Thermogravimetric analysis and process simulation of oxyfuel combustion of blended fuels including oil shale, semicoke, and biomass**

**Yörük, Can Rüstü;** Meriste, Tõnis; **Sener, Sener;** Kuusik, Rein, **keemik; Trikkell, Andres** International journal of energy research 2018 / p. 2213-2224 : ill <https://doi.org/10.1002/er.4011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transformations of biomass internal oxygen at varied pyrolysis conditions**

**Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan** 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 139

**Transformations of biomass internal oxygen at varied pyrolysis conditions**

**Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan** Journal of analytical and applied pyrolysis 2007 / 1/2, p. 121-127

**Trends in biomass thermochemical liquefaction : global experience and recent studies in Estonia**

**Luik, Hans; Palu, Vilja; Luik, Lea; Kruusement, Kristjan; Tamvelius, Hindrek; Veski, Rein; Vetkov, Nikolai; Vink, Natalia; Bitjukov, Mihhail** Proceedings of the Estonian Academy of Sciences. Chemistry 2005 / 4, p. 194-229 : ill

**Uuring: Eestil on võimalik biomajandusse investeerides jõuda maailma rikkamate riikide hulka**

Mente et Manu 2021 / lk. 12 [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Uus katseseade aitab testida materjalide lagunemist kõrgetel temperatuuridel [Võrguväljaanne]**

toostusuudised.ee 2021 "[Uus katseseade aitab testida materjalide lagunemist kõrgetel temperatuuridel](#)"

**Water conversion of oil shales and biomass : Kristjan Kruusement defence of the doctoral thesis**

Oil shale 2009 / p. 96

**Water conversion of oil shales and biomass = Põlevkivi ja biomassi vesikonversioon**

**Kruusement, Kristjan** 2007

**Бизнес процветает: продавцы запрещенного каннабидиола штрафов не боятся**

Kukk, Mari; Mägi, Maiken rus.delfi.ee 2023 [Бизнес процветает: продавцы запрещенного каннабидиола штрафов не боятся](#)

**И про «золотой дождь» тоже [Online resource]**

Klotškov, N. Sillamjõeski Vestnik 2021 / c. 4-5 "[И про «золотой дождь» тоже](#)" [про «золотой дождь» тоже](#)"